

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in an interview with Terry Tsai on 1 December 2011.

The application has been amended as follows:

1. (Currently amended) A bearing display apparatus comprising:
 - a geomagnetic sensor for detecting earth-magnetism,
 - a display unit, and
 - a control unit for calculating a geographical bearing based on detection values of the geomagnetic sensor and making said display unit display the information of the calculated bearing, wherein
 - said control unit monitors for an event that is a change in operation of an electronic part in the bearing display apparatus and updates display of the information of the bearing on the display unit in accordance with an occurrence of the event,
 - wherein the change in operation of the electronic part is
 - a change in a loaded state of a storage medium in a storage medium loading unit; or
 - a change in detection of a detection unit for detecting an operating state of a movement mechanism connected to two housings; or
 - a change in operation/nonoperation of a wireless communicating means;
- or
- a change in a display luminance; or
 - occurrence of presence of audio output.

2. (Currently amended) A bearing display apparatus as set forth in claim 1, wherein

~~said electronic part has a storage medium loading unit~~ is part of the electronic part and in which a storage medium can be loaded, ~~and~~

~~said change in operation is a change in a loaded state of said storage medium in said storage medium loading unit.~~

3. (Currently amended) A bearing display apparatus as set forth in claim 1, wherein

~~said apparatus comprises two housings~~ are connected through a movement mechanism, at least one of the housings having said display unit;

~~said electronic part has a detection unit for detecting an operating state of said movement mechanism, and~~

~~said change in operation is a change in detection of said detection unit.~~

4. (Original) A bearing display apparatus as set forth in claim 3, wherein
said movement mechanism has a plurality of operating states differing in orientation of said display unit with respect to said other housing, and

said control unit corrects the information of the bearing on the change in orientation of said display unit in accordance with a change in detection so as to perform said update of the display.

5. (Currently amended) A bearing display apparatus as set forth in claim 1, wherein

said electronic part has a luminance changing unit for changing a display luminance of said display unit and/or an audio processing unit for outputting audio, ~~and~~

~~said change in operation is a change in said display luminance or occurrence of presence of audio output.~~

6. (Currently amended) A bearing display apparatus as set forth in claim 1, wherein

~~said electronic part has a~~ the wireless communicating means ~~able to connect connects~~ to a communication network, ~~and~~

~~said change in operation is a change in operation/nonoperation of said wireless communicating means.~~

7. (Currently amended) A bearing display apparatus as set forth in claim 6, wherein

said apparatus is further comprises a position information acquiring unit for acquiring information relating to a geographical location of a current position, and

said control unit acquires map information of surroundings of a current position, specified based on position information acquired at said position information acquiring unit, from said communication network via said wireless communicating unit, and performs processing for displaying said map information together with the information of the bearing on said display unit, and monitors for said change in operation while displaying said map information.

8. (Original) A bearing display apparatus as set forth in claim 7, wherein
said map information is a predetermined size, and

if a current position specified based on said position information is at an end region of said map information, said control unit controls said wireless communicating unit so as to acquire map information adjoining to said end region while displaying said map information on said display unit.

9. (Original) A bearing display apparatus as set forth in claim 6, wherein said control unit controls said wireless communicating unit to perform processing for call reception or mail reception while displaying said map information on said display unit.

10. (Original) A bearing display apparatus as set forth in claim 1, wherein said control unit corrects the information of the bearing in accordance with a change in operation so as to update the display.

11. (Original) A bearing display apparatus as set forth in claim 10, wherein said control unit performs predetermined correction on detection values of said geomagnetic sensor detected at the time of occurrence of a change in operation, and corrects the information of the bearing based on the corrected values so as to update the display.

12. (Original) A bearing display apparatus as set forth in claim 1, wherein said control unit monitors for a change in operation for a plurality of electronic parts and

corrects the information of the bearing in accordance with the type of change of operation.

13. (Currently amended) A bearing display method in a bearing display apparatus comprising a geomagnetic sensor for detecting earth-magnetism, a display unit and electronic parts changing in their operations, comprising

a step of calculating a geographical bearing based on detection values of the geomagnetic sensor;

a step of making said display unit display information of the calculated bearing;

a step of monitoring for a change in operation of the electronic part; and

a step for updating the display of the information of said bearing on said display unit in accordance with an occurrence of said change in operation.

wherein the occurrence of said change in operation is

a change in a loaded state of a storage medium in a storage medium loading unit; or

a change in detection of a detection unit for detecting an operating state of a movement mechanism connected to two housings; or

a change in operation/nonoperation of a wireless communicating means;

or

a change in a display luminance; or

occurrence of presence of audio output.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MINNAH SEOH whose telephone number is (571)270-7778. The examiner can normally be reached on 9:00 AM - 4:00 PM Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jerry O'Connor can be reached on 571-272-6787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/M. S./
Examiner, Art Unit 3686

/LENA NAJARIAN/
Primary Examiner, Art Unit 3686